

Amendments to the Claims

The listing of claims below is intended to replace all prior listings of the claims in the present application.

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (canceled)

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17. (canceled)

18. (canceled)

19. (canceled)

20. (canceled)

21. (canceled)

22. (original) A method for delayed percutaneous delivery of one or more pharmaceutical compounds comprising:

applying topically a complex comprising:

colloid particles having an ion exchange capacity and having attached one or more ligands with a charge and a hydrophobic domain, and

one or more pharmaceutical compounds associated with either or both of the colloid particles and the one or more ligands.

23. (original) The method according to claim 22, wherein the colloid particles are selected from the group consisting of natural clays, synthetic clays, zeolites, hydrotalcite, kaolinite, talc, halloysite, sepiolite, illite, chlorite, and palygorskite.

24. (original) The method according to claim 23, wherein the colloid particles are synthetic clay selected from the group consisting of layered hydrous magnesium silicate, synthetic mica-montmorillonite, and mixtures thereof.


25. (original) The method according to claim 23, wherein the colloid particles are natural clay selected from the group consisting of hectorite, aliettite, beidellite, nontronite, saponite, sauconite, stevensite, swinefordite, volkonskoite, yakhontovite, montmorillonite, bentonite, and mixtures thereof.

26. (original) The method according to claim 22, wherein the ligand is selected from the group consisting of quaternary ammonium compounds, ionic polymers, ionic surfactants, and mixtures thereof.

27. (original) The method according to claim 26, wherein the ligand is a quaternary ammonium compound selected from the group consisting of hexadecyltrimethyl ammonium bromide, trimethylphenyl ammonium chloride, and mixtures thereof.

28. (original) The method according to claim 22, wherein the one or more ligands comprise at least two ligands.

29. (original) The method according to claim 28, wherein the at least two ligands are different.

 30. (original) The method according to claim 22, wherein the quantity of ligand attached to the colloid particles is in excess of and up to 200% of the ion exchange capacity of the colloid particles.

31. (original) The method according to claim 22, wherein the one or more pharmaceutical compounds are an insect repellent, a sunscreen, or combinations thereof.

32. (original) The method according to claim 22, wherein applying topically comprises applying in the form of a solution, lotion, cream, gel, aerosol, impregnated towellette, or pump spray.

33. (canceled)

34. (canceled)

35. (canceled)

36. (canceled)

37. (canceled)

38. (canceled)

39. (canceled)

40. (canceled)

41. (canceled)

42. (canceled)

43. (canceled)

44. (canceled)

45. (canceled)

46. (canceled)

47. (canceled)

48. (canceled)

49. (canceled)

50. (canceled)

51. (canceled)

52. (canceled)

53. (canceled)

Al
cont

54. (canceled)

55. (canceled)

56. (canceled)

*all
cont*